

[Table 1]

	Example 1	Example 2	Example 3	Example 4	Example 5	Example 6
H-NBR (hydrogenation 80%)	100	100	100	100	100	100
Strontium-ferrite	870	870	-	-	609	609
Barium-ferrite	-	-	870	870	261	261
Silane coupling agent	1	1	1	1	1	1
Lubricating agent	3	3	3	3	3	3
Vulcanization agent (sulfur)	0.5	0.5	0.5	0.5	0.5	0.5
Carbon black	-	10	-	10	-	10
Vulcanization promoting agent CM	1.5	1.5	1.5	1.5	1.5	1.5
TT	1.0	1.0	1.0	1.0	1.0	1.0
PVI	0.3	0.3	0.3	0.3	0.3	0.3
Vulcanization promoting agent Active zinc white	4	4	4	4	4	4
auxiliary agent Stearic acid	3	3	3	3	3	3
Antioxidant	1.5	1.5	1.5	1.5	1.5	1.5
Polyester based plasticizer	3	3	3	3	3	3
Ferrite content ratio (%)	88.0	87.1	88.0	87.1	88.0	87.1
Magnetic characteristic (BH) _{max} /kJ·m ⁻³	12.3	11.5	8.2	7.8	9.9	9.2
Ordinary state physical property Hardness (pts)	96	97	92	93	94	96
Tensile strength (Mpa)	4.8	5.1	4.6	5.2	4.9	5.4
Stretch (%)	22	45	23	52	21	46
Heat resistance (150°C for 168 hours) Hardness change (pts)	+3	+2	+4	+3	+3	+2
Tensile strength change ratio (%)	+102	+90	+88	+95	+104	+101
Stretch change ratio (%)	-23	-20	-23	-30	-25	-26
Water resistance (70°C for 168 hours) Hardness change (pts)	-4	-2	-3	-2	-4	-2
Volume change ratio (%)	+4.2	+3.6	+4.1	+3.8	+4.1	+3.4
Grease resistance (120°C for 168 hours) Hardness change (pts)	-3	-2	-3	-3	-4	-3
Volume change ratio (%)	+1.4	+0.8	+1.1	+0.7	+1.3	+0.8
Average magnetic flux density on circumference of encoder (mT)	58.0	55.9	46.6	43.6	55.1	52.4
Variation of magnetic force with respect to average magnetic flux density (%)	15.4	16.2	8.0	8.2	10.2	10.5